



## Main Feature

- 1 N/O contact with a tungsten pre-make contact.
- Dielectric Strength up to 5,000VAC.
- 1 pole 10A, 1 NO contact (W pre-make contact + AgSnO<sub>2</sub>). 80A / 20 ms inrush peak current.
- In accordance with IEC 60335-1 and IEC 60730-1.
- Comply with RoHS and REACH regulations

## Contact Rating

Load Type	EZL (DM)
Rated Load (Resistive)	VDE & UL: 10A 250VA
	UL: 10A 30VDC
Rated Carrying Current	10A
Max. Allowable Voltage	AC 250V
	DC 30V
Max. Allowable Current	10A
Max. Allowable Power Force	2500W
	300W
Contact Material	R (Main) : Ag Alloy, L (Pre-make) : W
Contact Capacity	Tungsten Load: 2500W/250VAC
	Inrush peak current (20ms): 80A
Contact Form	SPST

## Application

Lamp Control, Audio Equipment, Domestic Appliance and Controlling Equipment...etc.

## Performance (at Initial Value)

- Contact Resistance ..... 100 mΩ Max. @1A,6VDC
- Operate Time ..... 8 mSec. Max.
- Release Time ..... 3 mSec. Max.
- Dielectric Strength:
  - Between Coil & Contact..... 5,000VAC at 50/60Hz for one minute
  - Between Contacts ..... 1,000VAC at 50/60Hz for one minute
- Surge Strength ..... 10,000V (between coil & contact 1.2x50mSec.)
- Insulation Resistance ..... 100MΩ Min. at 500VDC
- Max. On/Off Switching:
  - Electrical ..... 6 Cycles per Minute
  - Mechanical ..... 300 Cycles per Minute
- Temperature Range ..... -40~+85°C
- Humidity Range ..... 45~85% RH.
- Coil Temperature Rise ..... 45°C Max.

- Vibration:
  - Endurance..... 10 to 55Hz dual amplitude width 1.5 mm
  - Error Operation ..... 10 to 55Hz dual amplitude width 1.5mm
- Shock:
  - Endurance ..... 1,000 m/S<sup>2</sup>
  - Error Operation..... 100 m/S<sup>2</sup>
- Life Expectancy:
  - Electrical ..... 5x10<sup>4</sup> Operations at Rated Resistive Load
  - 4x10<sup>4</sup> Operations at Tungsten Load
  - Mechanical..... 5x10<sup>6</sup> Operations at No Load condition
- Weight ..... About 12.5 g

## Accessories & Sockets

- PI-50BE ..... See Page 179
- PI-50BE/3 ..... See Page 179
- PI-50-0 ..... See Page 181

## Safety Standard & File Number

- UL & C-UL.....E141060
- VDE.....40009648

## Coil Specification (at 20°C)

Coil Sensitivity	Nominal Voltage	Nominal Current (mA)	Coil Resistance ( $\Omega \pm 10\%$ )	Power Consumption (W)	Pull-In Voltage (VDC)	Drop-Out Voltage (VDC)	Maximum Allowable Voltage (VDC)
EZL DC Coil	6	80	75	Abt. 0.48	75% Maximum	7.5% Minimum	130%
	9	53.3	169				
	12	40	300				
	18	26.7	674				
	24	20	1200				
	48	10	4800				
	60	8	7500				

## Ordering Information

EZL - SS - 1 12 D M

**Contact Form:**

**M:** One Form A

**Coil Type:**

**D:** DC Coil

**Coil Voltage:**

**06:** 6V, **09:** 9V, **12:** 12V, **18:** 18V, **24:** 24V, **48:** 48V, **60:** 60V

**Number of Pole:**

**1:** One Pole

**Type of Sealing:**

**SS:** RT II Flux Proofed

**SH:** RT III Wash Tight

**Type:**

**EZL**

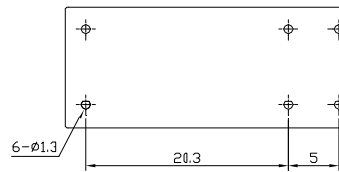
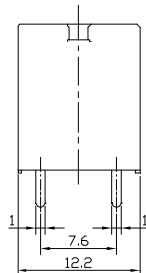
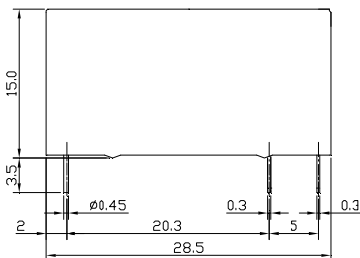
### NOTE:

**Contact Material:** R: AgSnO<sub>2</sub>, L: W

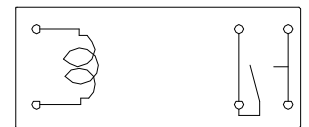
## Classification

Model	EZL
Coil Sensitivity	DC Coil
Contact Form	1A
Flux Proofed	EZL-SS-1□□DM
Wash Tight	EZL-SH-1□□DM

**Dimension ( $\leq 5\text{mm} \pm 0.2\text{mm}$ ,  $> 5\text{mm} \pm 0.3\text{mm}$ , the tolerance of PCB thru hole:  $+0.1\text{mm}$ )**



BOTTOB VIEW



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